APRIL/MAY 2024

23USEL24 — TROUBLE SHOOTING AND MAINTENANCE OF AUDIO AND VIDEO EQUIPMENTS

Time : Three hours Maximum : 75 marks

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SECTION A — (10 × 2 = 20 marks)

Answer ALL questions.

1. Give examples of recording devices.
2. How many types of recording devices are there?
3. What is a PA system?
4. What do you mean by stereophony?
5. How the PAL works?
6. What are the features of PAL?
7. How much the storage capacity of a DVD?
8. What is MP4 format?
9. Give details of LCD TV.
10. What means CCTV?

SECTION B — (5 × 5 = 25 marks)

Answer ALL questions.

11. (a) Write a short note on DVD.

Or

(b) What is an optical disk? How do optical disks work?

12. (a) Explain the function of microphone.

Or

(b) Give the details of Hi-Fi stereo.

13. (a) How does a CRT television works?

Or

(b) Clarify the faults in colour television.

14. (a) List out the advantages of HD TV.

Or

(b) Write a short note on MAC receiver.

15. (a) What is the purpose of a plasma TV?

Or

(b) Mention the function of set top box.

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SECTION C — (3 × 10 = 30 marks)

Answer any THREE questions.

16. Illustrate optical recording and reproduction on compact disc. Also explain the advantages of compact disc.

17. Draw the block diagram of public addressing system and explain its components.

18. Describe the working mechanism of television broadcasting process.

19. Explain the working mechanism of MAC encoder.

20. Explicate the architecture and operation of DTH technology.

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